

Converting Colors

$Yxy(65.9307, 0.2616, 0.3870)$

Have a look what the booklet for
Yxy(65.9307, 0.2616, 0.3870)
contains.

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Color

Yxy(66.0030, 0.2619, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	66EBBF
RGB	102, 235, 191
RGB Percent	40%, 92%, 75%
CMY	0.5997, 0.0784, 0.2509
CMYK	0.57, 0.00, 0.19, 0.08
HSL	160°, 77%, 66%
HSV	160°, 57%, 92%
XYZ	44.5980, 66.0030, 59.6854
YIQ	190.2170, -65.1440, -41.8800

Conversions

Conversions Part 2

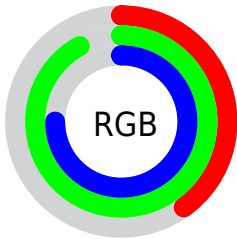
Format	Color
RYB	102, 182, 235
Decimal	6745023
CIELab	85.00, -46.80, 10.45
CIELCh	85, 47.955, 167.410
Yxy	66.0030, 0.2619, 0.3876
Android (android.graphics.Color)	4284935103 (0xFF66EBBF)
YUV	190.2170, 0.3860, -77.3663
Hunter-Lab	81.2422, -44.1862, 13.3116

Details

The Yxy color **66.0030, 0.2619, 0.3876** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **29.2545, 0.4251, 0.2813**, and the grayscale version is **51.6613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9168, 0.2651, 0.3377**, and **33.9088, 0.2485, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **64.4873, 0.2573, 0.4002**, and if you desaturate by 10%, it is **67.9312, 0.2682, 0.3755**.

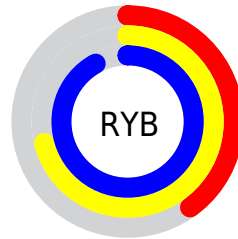
Distribution



Red (40%)

Green (92%)

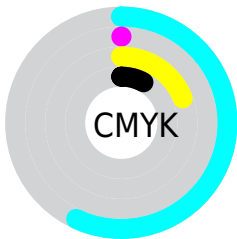
Blue (75%)



Red (40%)

Yellow (71%)

Blue (92%)

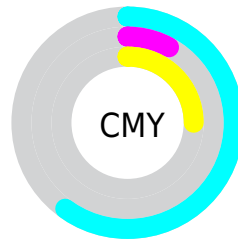


Cyan (57%)

Magenta (0%)

Yellow (19%)

Black (8%)



Cyan (60%)


Magenta (8%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0030, 0.2619, 0.3876 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 66.0030, 0.2619, 0.3876 by changing the saturation by 10% instead.


 66.0030, 0.2619,
0.3876


 66.0030, 0.2619,
0.3876


446.3876, 0.2862,
0.3590

 48.2748, 0.2561,
0.3945

 113.4906, 0.2705,
0.3773

 34.0446, 0.2489,
0.4033

 144.0189, 0.2738,
0.3735

 22.9279, 0.2396,
0.4148

 179.5827, 0.2766,
0.3701

 14.5402, 0.2272,
0.4304

220.5663, 0.2791,
0.3673

 8.4974, 0.2099,
0.4528

267.3542, 0.2812,
0.3648

 4.4148, 0.1841,
0.4875

320.3308, 0.2831,

 1.9082, 0.1272,

0.3626

0.5571

379.8805, 0.2847,
0.3607

■ 0.5533, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.0030, 0.2619,
0.3876

■ 66.0030, 0.2619,
0.3876

■ 64.4873, 0.2573,
0.4002

■ 67.9312, 0.2682,
0.3755

■ 63.3422, 0.2547,
0.4130

■ 70.2943, 0.2761,
0.3640


■ 62.5304, 0.2542,
0.4258


■ 73.1221, 0.2852,
0.3533

■ 62.0017, 0.2556,
0.4384


■ 76.4395, 0.2951,
0.3434


 61.8573, 0.2563,
0.4427

 80.2698, 0.3056,
0.3344

 84.6346, 0.3165,
0.3263

 87.2944, 0.3196,
0.3189

 87.7805, 0.3147,
0.3114

 87.8948, 0.3136,
0.3097

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.0030, 0.3173, 0.4303



66.0030, 0.2619, 0.3876



66.0030, 0.2225, 0.3266

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0030, 0.2619, 0.3876



66.0030, 0.2471, 0.2358



66.0030, 0.4318, 0.3662

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.0030, 0.2619, 0.3876



29.2545, 0.4251, 0.2813

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.0030, 0.4106, 0.3201



66.0030, 0.2619, 0.3876



66.0030, 0.2988, 0.2488

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.0030, 0.2619, 0.3876



66.0030, 0.2151, 0.2435



66.0030, 0.3598, 0.2787



66.0030, 0.4172, 0.4088

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.0030, 0.2619, 0.3876



66.0030, 0.2091, 0.2895



66.0030, 0.3598, 0.2787



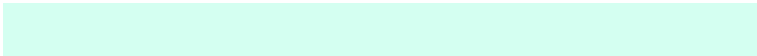
66.0030, 0.4288, 0.3507

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66.0056, 0.2619, 0.3876



91.7954, 0.2946, 0.3439



66.5210, 0.3294, 0.4977



19.4664, 0.2925, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.0056, 0.2619, 0.3876



77.3559, 0.2567, 0.4024



56.3357, 0.2357, 0.3001



17.0322, 0.3025, 0.3369



34.4521, 0.2558, 0.4407



2.7230, 0.2509, 0.4233

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.2545, 0.4251, 0.2813



29.0978, 0.4636, 0.2760



33.0933, 0.4687, 0.3534



15.1363, 0.3241, 0.3212



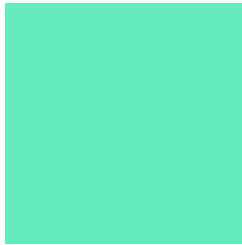
10.1551, 0.5646, 0.2884



0.8146, 0.5257, 0.2669

Previews

White Background



This preview shows how the Yxy color 66.0030, 0.2619, 0.3876 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 66.0030, 0.2619, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0030, 0.2619, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 66.0030, 0.2619, 0.3876.

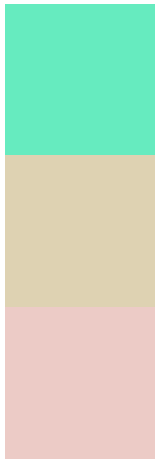


This preview shows how white text looks on a background with the Yxy color 66.0030, 0.2619, 0.3876.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

66.0030, 0.2619, 0.3876

Protanopia

64.8371, 0.3449, 0.3654

Deuteranopia

64.6220, 0.3424, 0.3345



Tritanopia

65.5851, 0.2417, 0.3057

Trichromacy



Original Color

66.0030, 0.2619, 0.3876



Protanomaly

63.5469, 0.3071, 0.3736



Deuteranomaly

63.1058, 0.3058, 0.3532



Tritanomaly

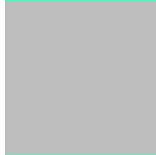
65.5953, 0.2486, 0.3339

Monochromacy



Original Color

66.0030, 0.2619, 0.3876



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.1294, 0.2886, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0030, 0.2619, 0.3876 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 235, 191)` looks like.

```
.text, #text, p{  
    color:rgb(102, 235, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 235, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 235, 191) }
```

Border

The CSS property to change the border of an element to Yxy 66.0030, 0.2619, 0.3876 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 235, 191) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 235, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 235, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 235, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 235, 191);  
box-shadow:4px 4px 4px 4px rgb(102, 235,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0030, 0.2619, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 235, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
235, 191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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